

COMMERCIAL AIRCRAFT ON-BOARD INERTING SYSTEM

Abstract

An inerting system (10) for an aircraft (12) includes one or more fuel tank circuits (15) associated with fuel tanks (16). An air source (17) supplies pressurized air. A heat exchanger (56) cools the pressurized air. An air separation module (46) is in fluid communication with the heat exchanger (56) and separates inerting gas from the pressurized air. A controller (40) controls flow of the inerting gas from the air separation module (46) to the fuel tanks (16).